

Curriculum Vitae (CV)

1. Name : **Dr. Errampalli Madhu**

2. Designation : Chief Scientist

3. Address

Room No. N214, Transportation Planning and Environment Division
CSIR-Central Road Research Institute (C.R.R.I.), Mathura Road
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4. Areas of Interest: **Transportation Planning, Traffic Engineering, Road Safety**

5. Educational Qualification

Degree	Subject	University/ Institution	Division	Year of Passing
PhD (Doctor of Philosophy)	Transportation Engineering	Graduate school of Engineering, Gifu University, Gifu, JAPAN*	-NA-	2008
M.Tech (Master of Technology)	Transportation Engineering	IIT, Chennai, India*	-NA-	1997
B.Tech (Bachelor of Technology)	Civil Engineering	Jawaharlal Nehru Technological University, Hyderabad, India	First Class with Distinction	1995

* Institute will not award any grade/ rank/ division

6. Professional Experience - in reverse chronological order

From	To	Name of the Employer	Position Held
Jul, 2019	Till Date	C.R.R.I., New Delhi	Chief Scientist/ Scientist G
Jul, 2014	Jul, 2019	C.R.R.I., New Delhi	Senior Principal Scientist/ Scientist F
Jul, 2009	Jul, 2014	C.R.R.I., New Delhi	Principal Scientist/ Scientist E-II
Jul, 2006	Jul, 2009	C.R.R.I., New Delhi	Senior Scientist/ Scientist E-I
Apr, 2004	Mar, 2008	Gifu University, Gifu, Japan	Research Student
Jul, 2002	Jul, 2006	C.R.R.I., New Delhi	Scientist/ Scientist C
Jul, 1999	Jul, 2002	C.R.R.I., New Delhi	Junior Scientist/ Scientist B
Oct, 1997	Jul, 1999	C.R.R.I., New Delhi	Fellow Scientist

7. Membership to Professional Bodies

- Life Member of Institute of Urban Transport (India)
- Life Member of Geotechnical Society of India
- Life Member of Indian Roads Congress (IRC)

8. Membership in organizational / national / international committees.

- Member Secretary for Transport Planning & Traffic Engineering Committee (H-1) of Indian Roads Congress.
- Convener, Transport & Logistics Services SSD-II: P1 Panel of BIS (Bureau of Indian Standards)

(iii) Former Member, Project Steering Committee for ITMS Project of Delhi Police

9. Achievements

a. Honours and Awards (including Fellowships)

- (i) Received **Pt. Jawaharlal Nehru Birth Centenary Award 2017** from Indian Roads Congress (IRC) on 23rd November 2018
- (ii) Received Construction Industry Development Council (CIDC) **Vishwakarma Award 2016** on 7th March 2016 for category of Scientist
- (iii) Received **SKOCH Order of Merit Award** for SUSTRANS Project on 10th Dec 2015 being a Champion of the Project
- (iv) Received '**Excellent**' Grade Awarded by Sectoral Monitoring Committee (SMC) to SUSTRANS which was led by the Candidate as Champion (Project Leader)
- (v) Received **Young Scientist Award** for the year 2011-12 from CSIR-CRRI for his outstanding performance
- (vi) Received **Bronze Medal Award** from Indian Roads Congress (IRC) in 2011 for his publication in Journal of IRC for the year 2010
- (vii) Received **Best Article Award** by ASRTU in 2009 for his publication in Indian Journal of Traffic Management
- (viii) Received **Session Best Presentation Award** in SCIS & ISIS 2006, University of Tokyo, Japan
- (ix) Received **Bronze Medal Award** from Indian Roads Congress (IRC) in 2005 for his publication in Journal of IRC for the year 2004
- (x) Recipient of **Japanese Government Scholarship (Monbugakusho)** for 2004 - 2008 and completed PhD during this period at Gifu University, Japan
- (xi) Got **Five Successive Merit Promotions** from Junior Scientist to Chief Scientist in 20 years (two times got R-1)
- (xii) Received **Best Division Award** as HOD of the Transportation Planning Division in the year 2017
- (xiii) Received **Road Safety Audit Certification** from International Road Federation (IRF)
- (xiv) Received **Japanese Government Scholarship (Mombukagakusho) 2004-2008** through Ministry of Human Resource and Development (MoHRD), Govt. of India for research studies from April 2004 - March, 2008 leading to complete PhD
- (xv) Received **Young Scientist Fellowship of CSIR and CRRI in 2009 to visit Hong Kong** to make presentation in 14th HKSTS (Hong Kong Society for Transportation Studies) International Conference held on December 10th ~ 12th, 2009 on Speed-Flow Equations of Multi-Lane Highways of India
- (xvi) Received **Gifu University Fellowship 2007 to visit USA** for presenting the research findings on Fuzzy Logic based Microscopic Traffic Simulation in 11th World Conference of Transport Research (WCTR) held at University of California, Berkeley, USA from July 24th ~ 28th, 2007
- (xvii) Received **Gifu University Fellowship 2005 to visit Bangkok, Thailand** for presenting the research findings on Microscopic Traffic Simulation considering Public Transport Policy in 6th EASTS International Conference held at Bangkok, Thailand from September 21st ~ 24th, 2005
- (xviii) Recipient of **GATE (Graduate Aptitude Test in Engineering) Scholarship** during 1995 to 1997 for pursuing M. Tech Course at IIT Madras

b. *Research Projects***Total Technical Reports: 44**

S. No	Role in the Report	Total
1	Project Leader (PL)/ Principal Investigator (PI)	13
2	Co-PL/ One of PIs/ Task Leader/ Package Leader	8
3	Road Safety Auditor	6
4	Member	17
	Total	44

1. Sustainable Integration Index for Public Transport, 2022. A Delhi Research Implementation and Innovation (DRIIV) of Delhi Science and Technology Cluster Project, CSIR -Central Road Research Institute (CRRI), New Delhi, October 2022 - **As Principle Investigator**
2. Microscopic Traffic Network Simulation Model for Mixed Traffic Conditions (MiTraNS), 2022. Final Report Submitted to CSIR under FTT Project, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2022 - **As Principle Investigator**
3. Road Safety Audit for MDR, ODR and VR in the state of Utter Pradesh, 2021. Final Report submitted to UPPWD, CSIR -Central Road Research Institute (CRRI), New Delhi - **As Road Safety Auditor**
4. Performance Evaluation Bus Rapid Transit System in Bhopal, 2020. Final Report submitted to Bhopal Municipal Corporation (BMC) and Bhopal City Link Limited (BCLL), Central Road Research Institute (CRRI), New Delhi, September 2020 - **As Road Safety Auditor**
5. Development of a procedure to study the impact of mass housing project on environment and provide viable solutions. 2020. Submitted to CSIR under Mission mode project: Development of Fast, Durable and Energy Efficient Mass Housing, CSIR -Central Road Research Institute (CRRI), New Delhi - **As Team Member**
6. Road Safety Remedial Measures for Gurugram City Road Network (Safer Roads for Gurugram), 2020. Final Report submitted to AB InBev India, CSIR -Central Road Research Institute (CRRI), New Delhi - **As Project Leader**
7. Road Safety Audit for Selected State Highways under Darbhanga Circle in Bihar, 2020, Final Report Submitted to RCD, Bihar CSIR -Central Road Research Institute (CRRI), New Delhi - **As Road Safety Auditor**
8. Development of Traffic Circulation Plan around Metro Stations using Microscopic Traffic Simulation Model, 2020. Final Report submitted to Petroleum Conservation Research Association (PCRA), New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, June 2020 - **As Co- Principle Investigator**
9. Megacity Logistics - Metrics, Tools and Measurements for Sustainability (MEGALOG), 2018. Final Report Submitted to The World Bank Group, Washington, D. C., USA, CSIR-Central Road Research Institute (CRRI), New Delhi, TU-Delft Netherlands and TNO, Netherlands, May 2018 - **As Principle Investigator**
10. Microscopic Traffic Simulation Model for Inter-City Roads for Indian Conditions 2019. Final Report Submitted to CSIR-CRRI, New Delhi under In-House Project, CSIR -Central Road Research Institute (CRRI), New Delhi, January 2019 - **As Project Leader**
11. Development and Application of Technologies for Sustainable Transportation (SUSTRANS), 2017. Final Report Submitted to CSIR under 12th Five Year Plan Project, CSIR -Central Road Research Institute (CRRI), New Delhi, CSIR-NAL Bangalore, CSIR-CSIO Chandigarh and CSIR-CLRI, Chennai, March 2017 - **As Champion (Principle Investigator)**

12. Development of Indian Highway Capacity Manual (Indo-HCM), 2017. Final Report Submitted to CSIR under 12th Five Year Plan Project, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2017 - **As Team Member**
13. Evaluation of Economic Loss due to Idling at Signalised Intersections and Mitigation Measures (ELSIM), 2017. Final Report Submitted to CSIR under 12th Five Year Plan Project, CSIR - Central Road Research Institute (CRRI), New Delhi, March 2017 - **As Team Member**
14. Site Impact Assessment due to proposed DMRC Office Complex at Jantar Mantar Area, 2017. Final Report Submitted to DMRC, New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, June 2017 - **As Team Member**
15. Study on Alignment Road from Sasoma to Saser Brangsa, 2017. Final Report Submitted to BRO, New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2017 - **As Team Member**
16. Assessment of Traffic Characteristics and Impact of Trilokpuri and Mayur Vihar Pocket-I Metro Stations of Line 7 of Delhi Metro on Vasundara Road, 2018. Final Report Submitted to DMRC, New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, August 2018 - **As Team Member**
17. Road Safety Assessment and Improvement Plan for Dwarka Flyover, 2017. Final Report Submitted to DDA, New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, January 2017 - **As Project Leader**
18. Road Safety Assessment on 2500 km of SHs & MDRs of Odisha State, 2017. Final Report Submitted to OWD, Bhubaneswar, CSIR -Central Road Research Institute (CRRI), New Delhi, June 2017 - **As Road Safety Auditor**
19. Traffic Circulation and Corridor Improvement Study of Savitri Cinema Road from Savitri Cinema to Guru Ravidas Marg, 2015. Final Report Submitted to PWD, New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, December 2015 - **As Project Leader**
20. Road Safety Audit of Sarita Vihar Flyover with Underpass (RUB), Cloverleaves, Approach Roads, Slip Roads and Cycle Tracks, 2015. Final Report Submitted to DDA, New Delhi, CSIR - Central Road Research Institute (CRRI), New Delhi, July 2015 - **As Project Leader**
21. Road Safety Audit during Development and Construction Phase of 4/6 Lanning of National Highways under PPP on DBFO Basis, 2015. Final Report Submitted to NHAI, Moradabad, Vijayawada, CSIR -Central Road Research Institute (CRRI), New Delhi, July 2015 - **As Package Leader**
22. Traffic Studies for Feasibility of Mineral Transportation in Joda Barbil, Odisha, 2015. Final Report Submitted to M/S Thriveni Consultancy Services, Odisha, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2015 - **As Team Member**
23. Fuel Efficiency Standards of Heavy Duty Vehicles in India, 2015. Final Report Submitted to Shakti Sustainable Energy Foundation, New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, July 2015 - **As Co-Project Leader**
24. Development of Road User Cost Models for High Speed Corridors, 2014. Final Report Submitted to CSIR under 11th Five Year Plan Supra Institutional Project (SIP), CSIR -Central Road Research Institute (CRRI), New Delhi, March 2014 - **As Task Leader**
25. Geometric Design of Intersections, Traffic Circulation Plan and Rigid Pavement Design at DSK Township Pune, 2013. Final Report Submitted to DSK Pvt. Ltd., Pune, CSIR -Central Road Research Institute (CRRI), New Delhi, July 2015 - **As Project Leader**
26. Traffic and Transportation Plan for Port Blair City, 2013. Final Report Submitted to A&N Administration, Port Blair, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2013 - **As Project Leader**

27. EUTRAIN European Transport Research Area International Cooperation Activities, 2012. Final Report Submitted to FEHRL, Belgium, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2012 - **As Project Leader**
28. Evaluating Bus Rapid Transit (BRT) Corridor Performance from Ambedkar Nagar to Mool Chand, 2012. Final Report Submitted to Transport Department, Government of National Capital Territory of Delhi (GNCTD), New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, October 2012 - **As one of Principal Investigators**
29. Road Safety Audit of Dasve Road Network in Lavasa, 2012. Final Report Submitted to LAVASA Pvt. Ltd., Pune, CSIR -Central Road Research Institute (CRRI), New Delhi, 2012 - **As Road Safety Auditor**
30. Feasibility Study on requirement of Pedestrian Underpass/Vehicular Underpasses between Palanpur-Deesa-Radhanpur Section of NH-14 & NH-15, 2012. Final Report Submitted to NHAI, Palanpur, CSIR -Central Road Research Institute (CRRI), New Delhi, 2012 - **As Road Safety Auditor**
31. Modelling Time Mean Speed and Space Mean Speed for Heterogeneous Traffic Conditions, 2010. Final Report Submitted to CSIR-CRRI, New Delhi under In-House Project, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2010 - **As Member**
32. Traffic Study and Economic Analysis of Delhi Metro Phase III, 2010. Final Report Submitted to Delhi Metro Rail Corporation (DMRC), New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2010 - **As Member**
33. Urban Road Traffic and Air Pollution in Delhi, 2009. Final Report Submitted to Society for Indian Automobile Manufactures (SIAM), CSIR -Central Road Research Institute (CRRI), New Delhi, July 2009 - **As one of the Principle Investigators**
34. Traffic Study and Economic Analysis of Ahmedabad Metro, 2009. Final Report Submitted to Delhi Metro Rail Corporation (DMRC), New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, July 2009 - **As Member**
35. Road Safety Audit of Mumbra Bypass on NH-4, 2008. Final Report Submitted to PWD, Maharashtra, CSIR -Central Road Research Institute (CRRI), New Delhi, December 2008 - **As Member**
36. Fuzzy Logic based Microscopic Traffic Simulation Model to Evaluate Transport Policies, 2008. Research Study sponsored by Japanese Government Scholarship, Mar 2008 - **As Research Student**
37. Neuro-Computing in Mode Choice, 2004. Final Report Submitted to CSIR-CRRI, New Delhi under In-House Project, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2004 - **As Project Leader**
38. Road Safety audit of NH-5 near Bhubaneswar and Visakhapatnam, 2004. Final Report Submitted to NHAI, New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, March 2004 - **As Package Leader**
39. Proof Checking of Road Signage and Markings at Dhuala Kuan Flyover, 2004. Final Report Submitted to PWD, New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, 2003 - **As Member**
40. Design of Road Signages for Flyovers in Delhi, 2003. Final Report Submitted to Transport Department, Government of National Capital Territory of Delhi (GNCTD), New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, 2003 - **As Member**
41. Updation of Road User Cost Study (URUCS), 2001. Final Report Submitted to Ministry of Road Transport and Highways (MoRTH), Government of India, New Delhi, CSIR -Central Road Research Institute (CRRI), New Delhi, 2001 - **As one of the Principle Investigators**

42. Urban Road Traffic and Air Pollution (URTRAP), 2002. Final Report Submitted to Ministry of Petroleum and Natural Gas (MoPNG), Government of India, New Delhi, CSIR -Central Road Research Institute (CRRRI), New Delhi, October 2002 - **As one of the Principle Investigators**
43. Road Safety Audit of Noida Toll Bridge, 2001. Final Report Submitted to Noida Toll Bridge Company (NTBC) Pvt. Ltd., CSIR -Central Road Research Institute (CRRRI), New Delhi, 2001 - **As Member**
44. Mode Choice Modelling for Second Order Metropolitan Cities of India, 2004. Report Submitted to DST, CSIR -Central Road Research Institute (CRRRI), New Delhi, 2004 - **As Member**

c. *Research Publications:*

Total Publications: 152

S. No	Type of Publications	Total
1	Books	1
2	Chapters/ Articles in Books	8
3	SCI Journals	16*
4	Referred International/ National Journals	29
5	International Conferences	73
6	National Conferences	25
	Total	152**

*Total Impact Factor = 10.389;

**Google Scholar Indices (Total Citations=628; h-index=13; i10-index=21) as on 10.11.2022

a. Books

1. **Errampalli, M.**, Okushima, M. and Akiyama, T. *Fuzzy Logic Based Microscopic Traffic Simulation Model: Simulation of Vehicles and Commuters on Urban Road Network to Evaluate Transport Policies*. VDM Verlag Dr. Müller Publishers, Germany, 2011, ISBN: 978-3-639-35502-4.

b. Chapters/ Articles in Books

2. Errampalli, M., Verma, H., Radhakrishnan, N. (2022). Development of Car-Following Models with Multiple Leader Vehicles for Mixed Traffic Conditions in Urban Areas. In: Devi, L., Asaithambi, G., Arkatkar, S., Verma, A. (eds) Proceedings of the Sixth International Conference of Transportation Research Group of India (CTRG 2021), **272**. Springer, Singapore. https://doi.org/10.1007/978-981-19-3494-0_7
3. **Errampalli, M.** 2022. "Design and Evaluation of Public and Non-motorized Transport Systems for Sustainability in Indian Cities". In: Maurya, A.K., Vanajakshi, L.D., Arkatkar, S.S., Sahu, P.K. (eds) Transportation Research in India. Springer Transactions in Civil and Environmental Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-9636-7_11
4. **Errampalli, M.**, Tavasszy, L. and Borst, J. 2021. "Freight Modelling and Policy Analysis for Megacities: The Case of New Delhi", *Freight Transport Modeling in Emerging Countries*, Elsevier Publishers, pp. 213-240. ISBN 978-0-12-821268-4. <https://doi.org/10.1016/B978-0-12-821268-4.00010-1>
5. INAE. 2019. "*Urban Transportation - Challenges and Way Forward*", INAE Forum on Civil Infrastructure Report, Indian National Academy of Engineers (INAE), India.
6. ITF. 2018. "*Polices to Extend the Life of Road Assets*", International Transport Forum (ITF) Research Reports, OECD Publishing, Paris.
7. Chandra, S. and **Errampalli, M.** 2017. Smart Technology Solutions to Improve Transportation Systems, *Governance Today*, **3 (10)**, July 2017, pp. 8-11, ISSN 2455-0426.

8. Kumar, R., **Errampalli, M.**, Maan, A. and Sinha, S. 2015. “Determination of combined exposure factor of different transport related environmental pollutants by assessing Air quality and noise levels: a case study of Delhi, *OUTLOOK 2015 - Green Behaviour: Re-thinking Policy for Sustainability*, World Sustainable Development Outlook Book Series, Greenleaf Publishing (Routledge, Taylor & Francis Group), pp. 139-149, ISSN 1748-8133.
9. Dahiya, A., Kumar, R., **Errampalli, M.** and Sinha, S. 2015. “Comprehensive assessment of sustainability indicators for public transportation system including pedestrians and feeder services: A case study of Delhi”, *OUTLOOK 2015 - Green Behaviour: Re-thinking Policy for Sustainability*, World Sustainable Development Outlook Book Series, Greenleaf Publishing (Routledge, Taylor & Francis Group), pp. 151-162, ISSN 1748-8133.

c. List of Publications in SCI Journals (Total Impact Factor = 7.316)

10. Advani, A., Sharma, N., **Errampalli, M.**, Rane, Y., Dhyani, R. and Kumar, P. V. P. 2022. Gradual sustainability approach for urban transport through subtle measures. *Journal of Current Science*, 122(9), pp.1036-1043. (Impact Factor: 0.935)
11. Minal. S., Ravi Sekhar, Ch., and **Errampalli, M.** 2022. Estimation of value of travel time based on mixed land use of trip origin and destination. *Journal of Case Studies of Transport Policy*, Elsevier Publishers, **10(2)**, pp. 1207-1222. <https://doi.org/10.1016/j.cstp.2022.04.009> (Impact Factor: 0.602).
12. Minal. S., Ravi Sekhar, Ch., and **Errampalli, M.** 2021. Multimodal travel choice determinants in context of travel time reliability. *Journal of Transport, Institution of Civil Engineers (ICE)*, March 2021, <https://doi.org/10.1680/jtran.20.00091> (Impact Factor: 0.402)
13. Advani, M., Gupta, N., Velmurugan, S., **Errampalli, M.** and Chandra, S. 2020. Defining and Analyzing Forceful Gap Behavior at Unsignalized Intersection: A Case Study, *Transportation Research Record 2674*, Transportation Research Board (TRB), Washington, D. C. Issue 8, pp. 420-428. (<https://doi.org/10.1177/0361198120925258>) (Impact Factor: 1.029)
14. **Errampalli, M.**, Patil, K. S. and Prasad, C. S. R. K. 2020. Evaluation of integration between public transportation modes by developing sustainability index in India, *Journal of Case Studies of Transport Policy*, Elsevier Publishers, **8(1)**, pp. 180-187. <https://doi.org/10.1016/j.cstp.2018.09.005> (Impact Factor: 0.602)
15. Minal. S., Ravi Sekhar, Ch., and **Errampalli, M.** 2019. Development of neuro-fuzzy-based multimodal mode choice model for commuter in Delhi. *Journal of IET Intelligent Transport Systems*, 13 (2), pp. 243-251. <http://dx.doi.org/10.1049/iet-its.2018.5112> (Impact Factor: 0.436)
16. Chalumuri, R. S., Nath, R. R. and **Errampalli, M.** 2018. Development and evaluation of an integrated transportation system: a case study of Delhi, *Journal of Transport, Institution of Civil Engineers (ICE)*, **171 (2)**, pp. 75-84. <https://doi.org/10.1680/jtran.16.00003> (Impact Factor: 0.402)
17. Pulugurta, S., **Errampalli, M.**, and Kayitha, R. 2015. Fuzzy Logic–Based Travel Demand Model to Simulate Public Transport Policies. *Journal of Urban Planning and Development*, ASCE, **141(4)**, 04014044, Dec 2015, pp 1-11. (Impact Factor: 0.95)
18. Ravi Sekhar, Ch., **Errampalli, M.**, Kanagadurai, B. and Gangopadhyay, S. 2013. Analysis of travel time reliability of an urban corridor using micro simulation techniques, *Journal of Current Science*, **105 (3)**, pp. 319-329. (Impact Factor: 0.935)
19. **Errampalli, M.**, Okushima, M. and Akiyama, T. 2013. Development of microscopic traffic simulation model with fuzzy logic technique. *Journal of Simulation*, SAGE Publications, **89 (1)**, pp. 87-101. (Impact Factor: 0.818)
20. Velmurugan, S., Padma, S., **Errampalli, M.**, Shukla, A. and Gangopadhyay, S. 2013. A study of factors influencing the severity of road crashes involving drunk drivers and non drunk drivers, *Journal of Research in Transportation Economics*, Elsevier Publishers, **38 (1)**, pp. 78-83. (Impact Factor: 0.59)

21. Velmurugan, S., **Errampalli, M.**, Jakkula, N. and Kayitha, R. 2012. Development of Congestion Cost Equations for Multilane Highways in India, *Transportation Research Record 2317*, Transportation Research Board (TRB), Washington, D. C., pp. 121-130. (Impact Factor: 0.471)
22. **Errampalli, M.**, Velmurugan, S., Ravinder, K. and Nataraju, J. 2011. Development of free speed equations for assessment of road user cost on high speed multi-lane carriageways of India on plain terrain. *Journal of Current Science*, **100 (9)**, pp. 1362-1372. (Impact Factor: 0.935)
23. Padma, S., **Errampalli, M.**, Velmurugan, S., Shukla, A. and Gangopadhyay, S. 2011. Modeling time mean speed and space mean speed for heterogeneous traffic conditions, *Journal of Transportation Planning and Technology*, **34 (8)**, pp. 823-838. (Impact Factor: 0.427)
24. **Errampalli, M.**, Okushima, M. and Akiyama, T. 2008. Fuzzy logic based lane change model for microscopic traffic flow simulation. *Journal of Advanced Computational Intelligence and Intelligent Informatics (JACIII)*, **12 (2)**, 172-181. (Impact Factor: 0.21)
25. **Errampalli, M.**, Reddy, T. S. and Velmurugan, S. 2004. Updation of free speed models through mechanistic principles for Indian conditions. *Journal of Advanced Transportation*, **38 (2)**, pp. 133-146. (Impact Factor: 0.585)

d. List of Publications in Referred International/ National Journals

26. **Errampalli, M.**, Kayitha, R., Chalumuri, R. S., Tavasszy, L. A., Borst, J. and Chandra, S. 2020. Assessment of urban freight travel characteristics - A case study of Delhi, *Transportation Research Procedia*, Elsevier Publishers, **48**, pp. 467-485. (<https://doi.org/10.1016/j.trpro.2020.08.053>)
27. **Errampalli, M.**, Mallela, S. S. and Chandra, S. 2020. Calibration of car-following model for Indian traffic conditions, *Transportation Research Procedia*, Elsevier Publishers, **48**, pp. 829-839. (<https://doi.org/10.1016/j.trpro.2020.08.091>)
28. Seetharaman, P., Velmurugan, S., Kalsi, N., Kayitha, R., Errampalli, M. and Kannan, S. 2020. Traffic impact assessment for sustainable development in urban areas, *Transportation Research Procedia*, Elsevier Publishers, **48**, pp. 3173-3187. (<https://doi.org/10.1016/j.trpro.2020.08.165>)
29. Rao, A. M., **Errampalli, M.** and Gupta, K. 2017. Impact of Odd Even Scheme on Transportation Systems in Delhi, *Journal of Transportation in Developing Economies*, Springer, **3 (4)**, pp. 1-12. (doi:10.1007/s40890-017-0035-z)
30. Kumar, R., Parida, P., **Errampalli, M.** and Bharat Kumar A. V. A. 2017. Does Connectivity Index of Transport Network have Impact on Delay for Driver, *Transportation Research Procedia*, Elsevier Publishers, **25**, pp. 4988-5002. (<https://doi.org/10.1016/j.trpro.2017.05.377>)
31. **Errampalli, M.** and Kayitha, R. 2016. Traffic Management Plan for Port Blair City, India, *Transportation Research Procedia*, Elsevier Publishers, **17**, pp. 548-557. (<https://doi.org/10.1016/j.trpro.2016.11.109>)
32. Arun, A., **Errampalli, M.** and Velmurugan, S. 2016. Selection of a suitable service measure and determination of LOS criteria for Indian multilane interurban highways: A methodological review. *Journal of Transportation in Developing Economies*, Springer, **2 (2)**, pp. 1-12. (doi:10.1007/s40890-016-0021-x)
33. Ravi Sekhar, Ch., Minal. and **Errampalli, M.** 2016. Multimodal choice modeling using random forest decision trees. *International Journal of Traffic and Transportation Engineering (IJTTE)*, **6 (3)**, pp. 356-367 (DOI: 10.7708/ijtte.2016.6(3).10).
34. **Errampalli, M.**, Velmurugan, S. and Deepa, C. 2015. Effect of congestion on fuel cost and time cost on multi-lane highways in India. *International Journal of Traffic and Transportation Engineering (IJTTE)*. **5 (4)**, pp. 458-472. (DOI: 10.7708/ijtte.2015.5(4).10)
35. Ravi Sekhar, Ch., **Errampalli, M.**, Sarada, P., Srivastav, S. and Irshad, M. 2015. Performance Evaluation of Urban Road Network in Delhi Considering Travel Speed. *Journal of Urban Transport*, Institute for Urban Transport (India), **14 (1)**, pp. 27-38.

36. Kumar, R., **Errampalli, M.**, Maan, A., Sinha S. and Akhtar, N. 2015. "Estimation of combined exposure factor due to impact of different transport related environmental pollutants air quality and noise level in Delhi city", *World Journal of Science, Technology and Sustainable Development*, Emerald Publishing, **12 (4)**, pp. 269-280.
37. Kumar, R., **Errampalli, M.**, Dahiya, A. and Sinha, S. 2015. "Analytical Hierarchy Process for Assessing Sustainability Indicators of Public Transportation Systems, Pedestrians and Feeder Services in Developing" *World Journal of Science, Technology and Sustainable Development*, Emerald Publishing, **12 (4)**, pp. 281-293.
38. Sarkar, P. K., **Errampalli, M.** and Kumar, M., 2014. Evaluation of Public Transport Policies by Developing Mode Choice Model using Fuzzy Logic Technique. *Highway Research Journal*, Indian Roads Congress (IRC), **7 (2)**, July - December 2014, pp. 29-37.
39. Gupta, N. J., Chand, S. and **Errampalli, M.** 2014. Review of Feeder system for public transport towards Sustainability. *Indian Journal of Transport Management (IJTM)*, **38 (2)**, pp. 113-123.
40. Arun, A., Velmurugan, S. and **Errampalli, M.** 2013. Methodological Framework Towards Roadway Capacity Estimation for Indian Multi-Lane Highways. *Procedia - Social and Behavioral Sciences*, Elsevier Publishers, **104**, pp. 477-486. (<https://doi.org/10.1016/j.sbspro.2013.11.141>)
41. Sarada, P., Arun, A. and **Errampalli, M.** 2013. Use of Artificial Intelligence for Mode Choice Analysis and Comparison with Traditional Multinomial Logit Model. *Procedia - Social and Behavioral Sciences*, Elsevier Publishers, Vol. 104 (2), pp. 583-592. (<https://doi.org/10.1016/j.sbspro.2013.11.152>)
42. Kumar, M., Sarkar, P. K. and **Errampalli, M.** 2013. Development of Fuzzy Logic based Mode Choice Model Considering Various Public Transport Policy Options. *International Journal of Traffic and Transportation Engineering (IJTTE)*, **3 (4)**, pp. 408-425. (DOI: 10.7708/ijtte.2013.3(4).05)
43. **Errampalli, M.** and Ravinder K. 2013. Evaluation of Traffic System Management Measures using Microscopic Multi Modal Simulation. *Journal of Urban Transport*, Institute for Urban Transport (India), **12 (1)**, pp. 17-27.
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e. List of Publications in International Conferences

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56. Kinkar, D., Kaushik, S., **Errampalli, M.**, Advani, M. and Setia, S. 2022. Development of a car-following model for microscopic simulation in mixed traffic. Proc. International Virtual Conference on Smart and Sustainable Development of Urban Green Infrastructure in India and Canada" (SSDUGI – 2022), pp. 76-77, 25 - 26 March 2022.
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¹ Received Bronze Medal for Best Paper in the field of Transportation Engineering for the year 2011 by Indian Roads Congress (IRC)

² Received Best Research Article Award for the year 2009 by Association of State Road Transport Undertakings (ASRTU)

³ Received Bronze Medal for Best Paper in the field of Transportation Engineering for the year 2003 by Indian Roads Congress (IRC)

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f. List of Publications in National Conferences

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142. Shah, P. M., Padma, S., **Errampalli, M.** and Dave, J. M. 2011. Probabilistic model for prediction of road crash severity on high speed corridors of India. *Proc. 3rd National Civil Engineering Student Research Symposium, IIT Bombay, Mumbai, March 2011.*
143. Ravinder, K. and **Errampalli, M.** 2010. Impact of national auto fuel policy emission norms on vehicular air pollution in Delhi. *Proc. National Get-Together on Road Research and Its Utilisation, Central Road Research Institute (C.R.R.I.), New Delhi, March 2010.*
144. **Errampalli, M.** 2009. Application of fuzzy logic in developing microscopic traffic simulation model for urban road network. *Proc. CSIR Work Shop on Advances and Applications of Mathematical Modelling (AAMM - 2009), C-MMACS, CSIR, Bangalore, May 2009, pp. 23.*
145. Akiyama, T., Okushima, M. and **Errampalli, M.**, 2009. Impact analysis of bus fare system with urban traffic simulation. *Proc. 39th Conference on Infrastructure Planning, Japan Society of Civil Engineers (JSCE), 39 (121), CD-ROM, 2009. (in Japanese).*
146. **Errampalli, M.**, Okushima, M. and Akiyama, T., 2008. Fuzzy logic microscopic traffic simulation to analyse roadside parking problem. *Proc. 10th Soft Computing Techniques in Civil Engineering, Kansai University, Osaka, Japan, February 2008.*
147. Okushima, M., Akiyama, T. and **Errampalli, M.**, 2008. Fuzzy logic based microscopic traffic simulation for urban transport policy evaluation. *Proc. 37th Conference on Infrastructure Planning, Japan Society of Civil Engineers (JSCE), 37 (63), CD-ROM, 2008. (in Japanese).*
148. **Errampalli, M.**, Okushima, M. and Akiyama, T., 2005. Evaluation of public transport policy by microscopic simulation model. *Proc. 32nd Conference on Infrastructure Planning, Japan Society of Civil Engineers (JSCE), 32 (310), Miyazaki University, Miyazaki, Japan, December 2005, CD-ROM.*
149. Okushima, M., **Errampalli, M.** and Akiyama, T., 2005. Analysis and evaluation of bus lane using traffic simulation. *Proc. 25th Traffic Engineering Conference, Japan Society of Transportation Engineers (JSTE), Tokyo, Japan, November 2005, pp. 281-284 (in Japanese).*
150. **Errampalli, M.**, Reddy, T. S., and Murthy, A. V. H. N., 2002. Estimation of PCU values and saturation flows at signalised intersections. *Proc. Emerging Trends in Road Transport (RORTRAN), II, IIT, Kharagpur, India, September 2002, pp. 5.19-5.28.*
151. Velmurugan, S., **Errampalli, M.** and Reddy, T. S., 2002. Changing operating speeds on rural highways. *Proc. Emerging Trends in Road Transport (RORTRAN), II, IIT, Kharagpur, India, September 2002, 99. 5.29-5.40.*
152. Reddy, T. S., and **Errampalli, M.**, 2001. A quick method of estimating traffic flows on urban road network. *Proc. Challenges in Road Transport for 21st Century (CIRT), TIET, Patiala, India, February 23-24, 2001, pp. 209-212.*

d. Any Other information

Invited Lectures in Important Technical Forums (other than conferences)

1. Given a lecture on *Microscopic Simulation Model considering Public Transport Policy* at Kobe University, Kobe, Japan on September 16th, 2005.
2. Delivered a lecture on *Development of Fuzzy Logic based Microscopic Traffic Network Simulation Model* at Kyoto University, Kyoto, Japan on April 27th, 2007.

3. Invited Lecture delivered at National Seminar on *Road Safety and Urban Traffic Management* organized by Tamil Nadu Police Academy (TNPA) at Chennai on November 30th, 2009.
4. Given Invited Talk on *Parking Fuzzy Logic based Car-following and lane change modelling for Microscopic Traffic Simulation* in BITS, Pilani on September 24th, 2011.
5. Given Expert Talk on *Parking Pricing as TDM Tool* in CSE Conference on Parking Reforms for a Liveable City on August 17th, 2011, at New Delhi.
6. Delivered many periodical lectures as part of CRRRI Refresher / International Courses on the topics like “Economic Evaluation of Highway projects and Road User Cost Models”, “Fundamentals of Traffic Engineering and Transportation System Management”, “Concept of Road User Effects in HDM-IV”, “Road Safety Audit” etc.
7. Given Invited Presentation on *Travel Demand Modeling with Soft-Computing Techniques* at SVNIT, Surat on May 16th, 2013.
8. Given Invited Presentation on *Need for Public Transportation System using ITS Technology for India* at IISc, Bangalore on May 28th, 2013.
9. Given Presentation on *Traffic Simulation Tools to Evaluate various Transportation System Management (TSM) Measures: A Case Study of Port Blair City* in 2nd Indian PTV User Group Meeting on March 8th, 2013 at New Delhi.
10. Given Expert Talk on *Tolling Issues in India, Planned vs Reality* in Conference organized by Infraline Energy on February 26th 2013 at New Delhi.
11. Given Invited Presentation on *Traffic Data Collection Methodologies: ITS Role* at IIT, Delhi on May 20th, 2014.
12. Given Invited Presentation on *Energy Efficient and Environment-friendly approach with respect to Transportation for Future* during National Seminar on Energy and Environmental Challenges: Indian Perspective at IEST, Shibpur on August 21st, 2015.
13. Given Invited Presentation on *Sustainable approach with respect to Transportation for Smart Cities* during National Seminar on Smart Cities at ACE, Agra on November 19th, 2015.
14. Given Invited Presentation on *Need for Sustainable Integrated Public Transportation for Smart Cities* in International Conference on Sustainable Urban Road Transportation at New Delhi on 21st Dec 2016 organised by ASSOCHAM.
15. Given Invited Presentation as Panelist in Panel Discussion in SAFE (a SIAM initiative) Annual Convention 2017 on *Vision towards Safer Roads: Technology, Education & Enforcement* on April 20th, 2017 at Mayfair Lagoon, Bhubaneswar, Odisha.
16. Given Invited Keynote Presentation in the Sustainable Urban Mobility Conference on the topic *Sustainability Approach with respect to Public Transportation for Smart Cities* conducted by CSIR-NEERI, Nagpur on March 13th, 2018 at NASC, Pusa Complex, New Delhi.
17. Given Invited Presentations on *Sustainability Approach with respect to Public Transportation for Smart Cities* and *Sustainability Approach with respect to Public Transportation A Case Study of Delhi* at Anna University, Chennai on May 8th, 2018.
18. Given Invited Presentation as Panelist in Panel Discussion in Multimodal Transportation Conclave - 2019 organised by PHD Chamber of Commerce on *Integrated Multimodal Public Transport Infrastructure - Technologies and Challenges* on January 24th, 2019 at PHD Building, New Delhi.
19. Given Invited Presentation as Panelist in Panel Discussion in GeoSmart India 2019 on *Transport Infrastructure supporting Environment: Integrated Multimodal Public Transport Infrastructure - Technologies and Challenges*, on February 13th, 2019, at Hotel Pullman, New Delhi.
20. Given Invited Keynote Presentation in the International Conference Smart Cities - 2019 on the topic *Intelligent Transport System (ITS) based Traffic Management for Smart Cities* on March 16th, 2019, Jamia Millia Islamia (JMI), New Delhi.

21. Given expert lecture in TRG Webinar on “Urban Freight Travel Demand Modelling - A case study of Delhi” on 19th May 2020.
22. Delivered invited talk on “Evaluation Methodology for Public Transport and Non-Motorised Transport with respect to Sustainability” during 2nd International Conference on Transportation Infrastructure Projects: Conception to Execution (TIPCE 2022) at IIT Roorkee, on 15th September, 2022.
23. Delivered invited lecture on “ITS for Safer Road and Improving Road Safety” during Online Training Programme on “Intelligent Transportation System Applications for Highways” organised by Indian Academy of Highway Engineers (IAHE) on 1st October, 2022.
24. Delivered invited lecture on “Road Improvement and its impact on Road Fuel Consumption and Emissions: A Case Study” during Workshop cum Training Program on “Real-world driving for SI and diesel vehicles, fuel economy and emissions” for MoRTH organized by CSIR-IIP Dehradun on 20th October, 2022.
25. Delivered invited lecture on “Software Applications in Mobility” during organised iConnect Event on “Safe, Smart and Sustainable Mobility (iCEN-43a)” under Theme: Civil Infrastructure and Engineering (CIE) organised by CSIR-CRRI, New Delhi on 8th July 2022.
26. Made presentation on “Infrastructure to Improve Share of Public Mobility” in the meeting of Task Group 2 (Develop an integrated, efficient, inclusive, low-carbon transport system) of MoEFCC organised by AS, MoRTH on 6th July 2022.
27. Made presentation on “Impact of Road Improvements on Traffic Conditions” in the during meeting of Task Group (Avoided Carbon Emissions from the Transport Sector) organised by AS, MoEFCC on 6th August 2022.
28. Delivered invited lecture on “Road Hazard Identification & Management and Hill Road Safety” during Online Road Safety Training Course for Highway Engineers on “SAFER ROADS: For life-saving” organised by Society of Transport Engineers Nepal (SOTEN) on 19th May, 2022.

PhD/ M. Tech/ B. Tech Dissertations Guided

1. Himanshu Varma 2021 “Development of Car-following Model for Indian Traffic Conditions” at National Institute of Technology (NIT) Thiruchurapalli, TN.
2. Dhiraj Kinkar 2022 “Development of Car-following and Lane Change Model for Indian Traffic Conditions” at National Institute of Technology (NIT) Kurukshetra.
3. Rohit Raghuvanshi 2022 “Sustainability Integration Index of the metro and bus transportation through commuter perception” Samrat Ashok Technical Institute, Vidisha, Madhya Pradesh.
4. Ms. Minal. 2021 “*Integrated Travel Demand Modelling for Evaluation of Sustainable Transportation System*” PhD Thesis, AcSIR, CSIR-CRRI, March 2021.
5. Mayur D. Patel, 2010. *Speed-Flow Characteristics and Capacity of Four-Lane and Six-Lane Divided Carriageway*, M. E. Thesis, Submitted to The M. S. University of Baroda, Vadodara, March 2010.
6. Kalpesh K. Patel, 2010. *Assessment of Vehicle Operating Cost on High Speed Corridors & Developing VOC Equations*. M. E. Thesis, Submitted to The M. S. University of Baroda, Vadodara, March 2010.
7. Sabita. N., 2010. *Speed-Flow Characteristics and Capacity of Multi-Lane Highways*. M. E. Thesis guided as external guide, Submitted to NIT, Warangal, June 2010.
8. Vineesha. CH., 2010. *Development of Road User Cost Equations for High Speed Corridors*. M. E. Thesis, Submitted to NIT, Warangal, June 2010.
9. Dhaval K. Barot, 2010. *Impact of Lane Change Behaviour on Capacity of Multi-Lane Highways using Microscopic Simulation*. M. E. Thesis, Submitted to SVNIT, Surat, July 2010.

10. Himani Patel, 2011. *Evaluation of roadway capacity of multi-lane highways under varying terrain and lane change behavior using microscopic traffic simulation*, M. E. Thesis, Submitted to The MS University, Vadodara, May 2011.
11. Mahesh Solanki, 2011. *Critical Evaluation of Free Speed Characteristics and Development of VOC Models for High Speed Corridors in India*, M. E. Thesis, Submitted to The M. S. University of Baroda, Vadodara, March 2011.
12. Deepa, C. 2011, *Development of Congestion Cost Equations for High Speed Corridors*, M. E. Thesis, Submitted to NIT, Surathkal, April 2011.
13. Kumar, M. 2012. *Mode Choice Model using Fuzzy Logic Technique*, M. Planning. (Transport) Thesis, Submitted to SPA, New Delhi, May 2012.
14. Arun, A. 2012. *Road Crash Frequency and Severity Prediction Models for Indian National Highways using Conventional and Soft Computing Tools*, M. Tech Thesis, Submitted to CSIR-CRRI, New Delhi, June 2012.
15. Nikhil Sehgal, 2012. *Transportation System Management (TSM) using Micro-simulation Techniques*, B. Tech Thesis, Submitted to BITS, Pilani, October 2012.
16. Shivam Chaturvedi, 2012. *Evaluation of Delhi Bus Rapid Transit (BRT) System*, B. Tech Thesis, Submitted to BITS, Pilani, October 2012.
17. Sarada, P., 2013. *Travel Demand Forecasting using Fuzzy Logic*, M. Tech Thesis, Submitted to CSIR-CRRI, New Delhi, June 2013.
18. Pramod Bhaskar, 2014, *Methodology for Assessing the Social, Economical and Environmental Effects of Public Transportation Systems*, M. E. Thesis, Submitted to NIT, Surathkal, April 2014.
19. Ankit Kathuria, 2014. *Intercity Mode Choice Modelling Using Soft Computing Techniques*, M. Planning. (Transport) Thesis, Submitted to SPA, New Delhi, May 2014.
20. Rejitha Nath, R. 2015. *Development and Evaluation of Integration of Public Transportation System*, M. Tech Thesis, Submitted to CSIR-CRRI, New Delhi, June 2014.
21. Patil, K. S., 2015. *Methodology for Evaluation of Sustainable Integrated Public Transportation*, M. E. Thesis, Submitted to NIT, Warangal, April 2015.
22. Satyabir Singh, 2015. *Intercity Mode Choice Modelling Using Stated Preference Technique*, M. Planning. (Transport) Thesis, Submitted to SPA, New Delhi, May 2015.
23. Zuber Mohammad, 2015. *Impact of Accessibility Index on Mode Choice Behaviour*, M. Planning. (Transport) Thesis, Submitted to SPA, New Delhi, May 2015.
24. G. J. Meenan, 2016. *Evaluation of bus frequency and quality of service - A case study Delhi*, M. Tech Thesis, Submitted to Jawaharlal Nehru Technological University (JNTU) Hyderabad, Telengana, June 2016.
25. Parth Patel, 2016. *Development of Traffic Assignment Model for evaluation of Traffic Control Measures* M. E. Thesis, Submitted to The M. S. University of Baroda, Vadodara, March 2016.
26. Nimit Rawal, 2016. *Methodology for Estimation of Commuter Satisfaction Level for Evaluation of ITS Based Public Transport System in Indian City*, M. E. Thesis, Submitted to The M. S. University of Baroda, Vadodara, March 2016
27. Akash Parashar, 2016, *Evaluation of Effectiveness of ITS technologies for Public Transportation*, M. Tech Thesis, Submitted to GSITS, Indore, June 2016.
28. Sarah Suvudha, M. 2018. *Development of Car-Following Model for Indian Conditions*, M. Tech Thesis, Submitted to Jawaharlal Nehru Technological University (JNTU) Hyderabad, Telengana, June 2018.
29. Pratyush Chaturvedi., 2019. *Urban Freight Travel Modeling for Sustainability* Indian Institute of Technology (IIT) Delhi, June 2019.
30. Justin Joseph, 2019. *Traffic Circulation Plans around Metro Stations using Microscopic Traffic Simulation*, Rajiv Gandhi Institute of Technology Kottayam, Kerala, June 2019.

31. Himanshu Varma, 2021. *Development of Car-following Model for Indian Traffic Conditions*, National Institute of Technology (NIT) Thiruchurapalli, TN, June 2021.

Contribution to IRC/ BIS Codes, Standards and Guidelines

- IRC:SP:30-2019 - Manual on Economic Evaluation of Highway Projects (Third Revision)
- IS 17736:2021 - Transportation of Over Dimensional Consignment by Road - Guidelines
- IRC:SP:131-2022 - Guidelines for Design and Evaluation of Public and Non-Motorised Transport Systems for Sustainability
- IRC:67-2022 - Code of Practice for Road Signs (Fourth Revision)

Other Significant Achievements

- As **Project Leader**, Successfully Completed **Two International Projects** (EUTRAIN in 2012 sponsored by FEHRL, Belgium and MEGALOG in 2018 sponsored by The World Bank Group, Washington D.C.)
- Organised **Four** National Dissemination Workshops on MEGALOG on Dec 13th 2017, SUSTRANS on 17th March 2017, Driving Simulator 10th Feb 2016 and STIC on March 23rd 2013.
- Organised **Nine** Task Force Committee Meetings (TFC) and Two Expert Advisory Meetings (EAG) for the project SUSTRANS which was led by the Candidate as Champion (Project Leader)
- Organised **Industry Meet** on “Safe, Smart and Sustainable Mobility” on July 8th, 2022.
- Organised **International Webinar** on “Social Distancing Norms for Transportation in Covid-19- Need and Challenges” on May 15-16, 2020.
- **Sub-vertical Leader**, Mobility Infrastructure and Planning (MIP) under Civil, Infrastructure and Engineering (CIE) Theme of CSIR
- **Convener**, Transport & Logistics Service Sector Committee, Panel 1 (Road), Bureau of Indian Standards (BIS), New Delhi.
- **Member Secretary, IRC H-1 Committee** on Transport Planning & Traffic Engineering, 2018-23
- **Former Member**, Project Steering Committee of ITMS Project by Delhi Police.
- As **Head of the Division (HOD)**, managed the Transportation Planning Division of CSIR-CRRI for three years from 2015-2018, instrumental in increasing research output in terms of the publications especially in SCI Journals and achieved ECF about 10 crores from externally funded projects
- Member of **Doctoral Research Committee (DRC)** at SPA Delhi and Member of **Doctoral Advisory Committee (DAC)** at CSIR-CRRI for AcSIR for monitoring and guiding PhD Students
- **Faculty** for two subjects on 'Transportation Planning' and 'Soft Computing Techniques' for AcSIR
- **Member in Various Committees** such as Recruitment Interview Committees/ Boards of PGRPE Trainee Scientists at RAB, Screening Committee for Selection of PGRPE Students, PhD Students for AcSIR and Project Assistants
- **Faculty** for different training programmes of CSIR-CRRI
- **Reviewer** for various International Conference like CTRG, TPMDC, EASTS etc.
- **Reviewer for International Journals** like JAT, Transportation Problems, CSTP, Neuro-Computing, Transportation Research etc.
- One **National Patent** on Car Driving Simulator with Driver Diagnostics and Training Method (234NF2016) - Under Review

10. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.



(Dr. ERRAMPALLI MADHU)